

COMPLETE INLET WORKS SOLUTION FOR MUSWELLBROOK RWTW

CASE STUDY



THE CLIENT

The newly completed Muswellbrook Recycle Water Treatment Works was recently commissioned and will produce up to 3.2 MLD of recycled water to enable reuse within the region.

OUR SOLUTION

As part of the works, a new screening and grit removal facility was provided to remove gross solids, screenings, plastics, rags and sand from the sewage to protect the downstream process. Hydroflux provided the full inlet works package which consisted of:

- HUBER Rotamat Inclined Drum Screens with Integrated Screenings Washing and Compaction.
- HyTorq Vortex Circular Grit Trap Mechanism.
- Dewatered screenings and grit transfer conveyor.



- HUBER RoSF4 Advanced Grit Washing Classifier with Feed Pump.

THE OUTCOME

The HUBER Rotamat Screens utilize a high efficiency perforated drum that removes a majority of screenings that would otherwise accumulate in the downstream process and lead to increased maintenance requirements.

The screenings and grit that are removed are washed to remove organics which results in a clean product that is free of vermin and odour and has a high solid content that reduces offsite transport/disposal costs.

Item	Value
Capacity	191 L/s
Screen Type	Inclined Drum
Aperture	5mm perforations
Drum Diameter	1200mm
Grit Removal	Vortex Type
Dewatered Screenings	40% w/w
Dewatered Grit	90% w/w